BRUHAT BANGALORE MAHANAGARA PALIKE, YALAHANKA ZONE

Executive Engineer
Byatarayanapura Division
B.B.M.P., Bangalore - 92

DRAFT SCHEDULE-B

Issued to :

Original / Duplicate
Item No. 89

Name of Work :- Estimate for The work of Improvements of Roads and Construction of CC Drain with Covering Slab from Kodigehalli Circal to Govt. School in ward no. 8, Kodigehalli sub division

Sl. No	Approved Quantity	Description	Unit	Sanctioned Rates	Rates Quoted by the	
				In Figures	Figures	In Words
1	107.10	KSRRB 300-1. Earthwork excavation by manual means in Hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3 (Page no 149, Item no. 19.1 of BCSR 2011-12)	Cum	87.05		
2	267.30	Removing B.S. slab of Drain and stacking. (Page no 28, Item no. 5.32 of BCSR 2011-12)	Sqm	47.52		
3	1254.50	KSRRB 300-44 Scarifying top bituminous surface or surface dressing or premix carpet including picking up scarified materials, stacking of old serviceable materials within a lead of 100 metres by manual means including cost of all abour charges complete as per specifications. MORTH Chapter 3 (Page no 155, Item no. 19.50 of BCSR 2011-12)	Sqm	19.33		
4	188.18	KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.MORTH Specification No. 406 (Page no 166, Item no. 20.18 of BCSR 2011-12)	Cum	1060.56		
5	1254.50	KSRRB M500-6. Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502 (Page no 171, Item no. 21.60 of BCSR 2011-12)	Sqm	40.59		
6	31.36	KSRRB M500-18. Providing and laying semi dense bituminous concrete 25 mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.8 complete in all respects as per specifications 25-30 mm compacted thickness with 5% bitumen 80/100 (Grading II) (Page no 174, Item no. 21.20.1 of BCSR 2011-12)	Cum	8882.32		

Sl. No	Approved Quantity	Description	Unit	Sanctioned Rates	Rates Quoted by the	
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7	48.25	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications.MORTH Specification No. 803 (Page no 193, Item no. 24.15 of BCSR 2011-12)	Sqm	429.84		
8	10.00	KSRRB M800-35. Providing and fixing of road stud 100x 100 mm, die-cast in aluminium, resistant to corrosive effect of salt and grit, fitted with lense reflectors, installed in concrete or asphaltic surface by drilling hole 30 mm upto a depth of 60 mm and bedded in a suitable bituminous grout or epoxy mortar, all as per BS: 873 part 4:1973 complete as per specifications (Page no 197, Item no. 24.41 of BCSR 2011-12)	Nos	290-82 429.84		
9	5.00	Providing and fixing of retro- reflectorised cautionary, mandatory and informatory sign as per IRC :67 made of high intensity grade sheeting vide clause 800.1.3, fixed over Aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing complete as per specifications.	Nos	2756.16		
10	20.70	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @ 180kgs, with 40mm and down sze graded granite metal coarse aggregates @ 0.85 cum and fine aggregtes @ 0.57 cum machine mixed machine mixed concrete laid in layers not exceeding 15cms thick well compacted in foundation and plinth including cost of all materials labour HOM of machinery curing complete as per specifications	Cum	3939.41		
11	76.01	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal, coarse aggregates @ 0.878cum and fine aggregtes @ 0.459cum with superplastisiser @ 3 lts confirming to IS 9103-1999 Reaffirmed-2008 machine mixed concrete laid in layers not exceeding 15cms thick vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. (P-13, Item 4.11) 2011-12 SR	Cum	5296.75		
12	717.00	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per pecificaitons.(P-17 Item No. 4.31 2011-12 SR)	Sqm	221.40		
13	44.00	KSRB 4.9.2 : Providing T.M.T. Steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking , placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3. (Page No. 19& Item No. 4.46)	Qtl	7347.82		

Sl. No	Approved Quantity	Description	Unit	Sanctioned Rates	Rates Quoted by the	
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14	107.10 114.75	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum.KSRRB M100-1 : Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications.MORTH Chapter 1 (Page no 197, Item no. 24.41 of BCSR 2011-12)	Cum	67.18		

K.V. Sathya Reddy

Signature of the Contractor
Reg. No.
Postal Address

Executive Engineer
Byatarayanapura Division
BBMP, Bangalore - 92

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ತಿದ್ದುಪಡಿ ಮಾಡಿ/ಇಲ್ಲದೆ
ಅನುಮೋದನೆ ನೀಡಲಾಗಿದೆ.

ಅಧೀಕ್ಷಕ ಅಭಿಯಂತರರು
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